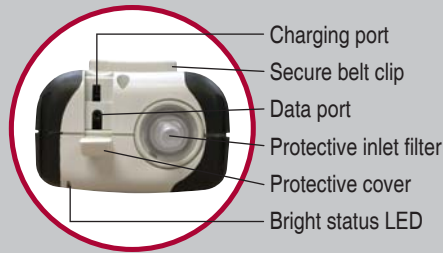


# Leland Legacy Sample Pump

**High Flows, Long Runs Enhance Measurement Sensitivity!**

**Flows: 5 to 15 L/min**

Approvals	
CE	ETV ✓



Top view



Leland Legacy® in CalChek calibration train

- ⊙ **High flows — 5 to 15 L/min**

  - Provides the high flows and long run times of a vacuum-style pump in a compact, portable, battery-operated sampler
- ⊙ **Designed for use with impactors, spore traps, 37-mm filters, low-volume PUF tubes, and other low-pressure applications†**
- ⊙ **Long 24-hour runs on one charge with Li-Ion battery**

  - Suitable for unattended ambient air sampling
- ⊙ **Low noise, size, and weight**

  - Ideal for indoor air studies
- ⊙ **Longer runs + Higher flows = Enhanced sensitivity for measuring low concentrations**
- ⊙ **Patented\* highly accurate isothermal flow control system**
- ⊙ **Flexible programming options**

  - Manual three-button programmability using the large built-in keypad
  - PC programmability with DataTrac for Leland Legacy Software
    - Create complete running sequences, download sampling history, and generate exposure reports for ISO 9000 or TQM programs
- ⊙ **Large easy-to-read LCD**

  - Displays battery status indicator, flow fault, run time data, and sampling parameters
- ⊙ **CalChek automatic calibration feature**

  - Provides direct communication to a Defender primary standard calibrator
- ⊙ **Adjustable datalogging interval from 3 seconds to 8 hours with DataTrac Software**
- ⊙ **Rugged and convenient case design**

  - Tough rubber overmolding protects the pump and provides a sure grip
  - Anti-static thermoplastic material
  - Inlet port with removable protective cover
  - Easy-access computer interface and battery charging jack under protective cover
- ⊙ **Performance with Sioutas Impactor verified by EPA-ETV**
- ⊙ **Featured in deployable sampler systems**
- ⊙ **CE marked**

\* U.S. Patent No. 5,892,160

† Leland Legacy is not recommended for high back pressure applications such as asbestos clearance sampling.



## Leland Legacy Sample Pump

Performance Profile	
Flow Control Accuracy	± 5% of set-point after calibration
Timing Accuracy	1 min/mo at 25 C
Atmospheric Pressure Accuracy	± 3% in Hg
Typical Run Time	<b>Battery:</b> 24 hrs at 9 L/min with Sioutas Impactor (approx. 13 in water back pressure) 24 hrs at 10 L/min with PEM and 37-mm, 2.0 µm PTFE filter 24 hrs at 5 L/min with low-volume PUF tube 24 hrs at 10 L/min with IMPACT Sampler in DPS System <b>Using charger with AC power:</b> Extended run times
Charge Time <i>(varies with capacity and level of charge)</i>	15 hrs with approved charger
Temperature Range	<b>Operating:</b> 32 to 113 F (0 to 45 C) <b>Storage:</b> -4 to 95 F (-20 to 35 C) <b>Charging:</b> 32 to 113 F (0 to 45 C)
Timer Display Range	1 to 99999 min (69 days); if run time exceeds 69 days, timer display rolls over
Time Display	Time of day in hours and minutes (12 or 24-hr clock) with AM and PM indicators
Volume Display	Continually updated based on corrected flow rate multiplied by sampling time
Noise Level	62.5 dBA <sup>‡</sup> - pump without case 52 dBA <sup>‡</sup> - pump housed in noise-reducing case (optional accessory)
Flow Fault	After 15 sec, pump goes into Hold, retains accumulated run time and historical data, and displays fault icon. Auto-restart is attempted every 20 sec up to 10 times (adjustable with DataTrac Software)
Weight	36 oz (1 kg)

‡ Measured 3 feet (1 meter) from pump operating at 10 L/min and 12 inches water back pressure

## Ordering Information

Pump and Kits	Cat. No.	
Leland Legacy Pump*** with Li-Ion battery pack, <i>requires charger</i>	100-3002***	
Starter Kit includes pump, single charger, Tygon tubing (3 feet, 1/4-inch ID), and collar clip with cable tie	100-240 V	100-3002-S
Single Pump Kit*** includes Leland Legacy Pump, single charger, and deluxe carry case	100-240 V	100-3002K***
5-pack Pump Kit*** includes 5 Leland Legacy Pumps, 5-station charger, and DataTrac Software in a deluxe Pelican case	100-240 V	100-3002K5***
Single CalChek Kit*** includes items in a single pump kit, a CalChek Communication cable, and a Defender Calibrator with charger	100-240 V	100-3002DFK***
5-pack CalChek Kit*** includes items in 5-pack pump kit, a CalChek Communication cable, and a Defender Calibrator with charger	100-240 V	100-3002DFK5***
Accessories		
<b>Chargers</b>		
Single	100-240 V	223-241
Take Charge 5	100-240 V	223-441
CalChek Communication Cable, <i>required for CalChek calibration, included in CalChek kits above</i>		210-502
Replacement Parts		
Replacement Battery Pack**, Li-Ion ( <i>replacing batteries with non-approved battery packs voids any warranty</i> )		P75692NUL**
Replacement Filter/O-ring Set, 5 filters and 1 O-ring		P40021B
Replacement Inlet Filters, pk/50		P40021A

# Use in non-explosive environments only. Not UL Listed for intrinsic safety

\*\* Leland Legacy pumps contain Li-Ion batteries and may be subject to special shipping regulations dependent upon quantity.

Flow Rate (ml/min)	5 to 15 (L/min)
Weight in Ounces (grams)	36 (1000)
Compensation Range (inches water)	Up to 12 at 10 L
Built-in Timer/Clock	Clock
Constant Flow	Yes
Programmable	Yes
PC-compatible	Yes
Multi-tube Sampling	N/A
Flow Fault Feature	Yes
RF/EMI Shielded	Yes
Intrinsically Safe — UL Listed	N/A
MSHA-approved Models Available	N/A
ATEX Models Available	N/A
CE Marked	Yes
Corrects for Changes in Atmospheric Pressure	Yes
Corrects for Changes in Temperature	Yes
Battery Type	Lithium-ion (7.4 V, 12 Ah, 88.8 Wh)
Battery Check	Yes
Recommended Accessories	
Chargers	
Defender Calibrator	Cat. No. 717-510H
Battery Charging Adapter	Cat. No. 223-248
CalChek Communication Cable	Cat. No. 210-502
Noise-reducing Case	
DataTrac for Leland Legacy Software	Cat. No. 877-92
Low-volume PUF Tube Holder	Cat. No. 224-29P
Filter Holders	
Tubing	